



12-29-04

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ATTORNEY DOCKET NO.
3671.0186

PATENT APPLICATION
10/629,020

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: R. William Ezell
Serial No.: 10/629,020
Filing Date: July 28, 2003
Group Art Unit: 2631
Examiner: Unknown
Title: MULTI-RANGE TRANSDUCTOR AND METHOD OF
OPERATION

MAIL STOP AMENDMENT
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Dear Sir:

CERTIFICATE OF MAILING BY EXPRESS MAIL

I hereby certify that the attached Information Disclosure Statement (2 pages), Form PTO-1449 (1 page) with 3 attached references, Baker Botts return postcard (1 postcard), and this Certificate of Mailing are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on this 28th day of December 2004 and is addressed to the Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450.

Willie Jiles
Willie Jiles

Express Mail Receipt
No. EV 323309884 US



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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

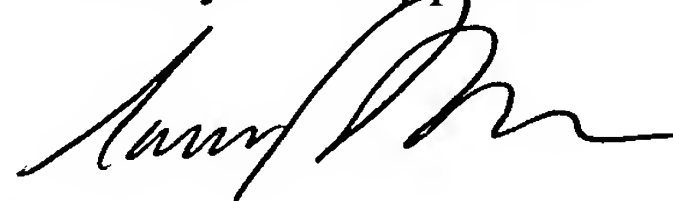
Applicant respectfully requests, pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, that the references listed on the attached Form PTO-1449 be considered and cited in the examination of the above-identified patent application. Copies of the references are enclosed for the convenience of the Examiner. Since the present Application was filed after June 30, 2003, copies of any U.S. Patent and any U.S. Patent Application Publication cited on the attached PTO Form 1449 are not being submitted with this Information Disclosure Statement pursuant to the July 11, 2003 waiver of 37 C.F.R. S 1.98(a)(2)(i) by the U.S. Patent and Trademark Office. No representation is made that a search has been made, that the references are material to the patentability of the present application, or that the references qualify as prior art.

REMARKS

This Information Disclosure Statement is being submitted pursuant to 37 C.F.R. § 1.97(b) before the issuance of a first Office Action and, therefore, no fee is believed to be due. If, however, a fee is due, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 02-0384 of Baker Botts L.L.P.

Respectfully submitted,

Baker Botts L.L.P.
Attorneys for Applicant



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Date: December 28, 2004

Correspondence Address:

Customer No. **05073**

PTO-1449

Application No.
10/629,020Applicant
R. William Ezell**Information Disclosure Citation
In an Application**Docket Number
073671.0186Group Art Unit
2631Filing Date
July 28, 2003**U.S. PATENT DOCUMENTS**

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A	5,701,099	12/23/97	Shafir	327	552	11/27/95
B	6,466,090 B1	10/15/02	Giuroiu	330	86	11/06/00
C	2004/0100322 A1	05/27/04	Ganeshan et al.	327	553	11/25/02
D						
E						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE (month/day/year)	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	Q	WO 96/27239	09/06/96	PCT	H03G	3/00		
	R							
	S							

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
T	Loh, et al., "A Versatile Digitally Controlled Continuous-Time Filter Structure with Wide-Range and Fine Resolutoin Capability," IEEE, Vol. 30, No. 5, pp. 265-276	May 1992
U	PCT search report for PCT/US2004/021579, 15 pages	Dec. 14, 2004
V		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. PATENT AND TRADEMARK OFFICE

DAL01:831801.1